

	Document ID
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*last
inventor
search*

von der Bey et al.

[11] Patent Number: 4,532,779

[45] Date of Patent: Aug. 6, 1985

[54] DEVICE FOR GENERATING A DRY, COLD AIR FLOW FOR TREATMENT OF RHEUMATIC DISEASES

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of Germany

[73] Assignee: Messer Griesheim GmbH, Fed. Rep. of Germany

[21] Appl. No.: 573,838

[22] Filed: Jan. 25, 1984

[30] Foreign Application Priority Data

Feb. 17, 1983 [DE] Fed. Rep. of Germany 3305434

[51] Int. Cl.³ F25B 19/00

[52] U.S. Cl. 62/514 R; 62/93

[58] **Field of Search** 62/93, 514 R

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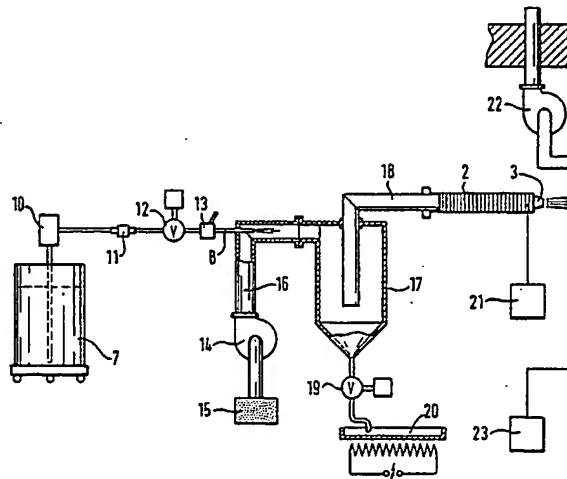
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Primary Examiner—Ronald C. Capossela
Attorney, Agent, or Firm—Connolly and Hutz

[57] **ABSTRACT**

A device for generating a dry, cold air flow in the treatment of rheumatic diseases includes a cyclone separator as its heat exchange device. The intake line of the cyclone separator is connected to the outlet line of the blower means of a line in which the cryogenic liquefied gas feed ends. The outlet opening of the cyclone generator has attached to it an insulated flexible hose.

2 Claims, 2 Drawing Figures



Set	Items	Description
S1	1428	AU=(KRUGER T? OR KRUGER, T? OR SCHMIDT H? OR SCHMIDT, H? OR WAHLE H? OR WAHLE, H? OR WAHLE G? OR WAHLE, G?)
S2	78	(TOM OR THOMAS) (2N) KRUGER OR HARTMUT (2N) SCHMIDT OR (HANS OR GEORG?) (2N) WAHLE
S3	99303	RESPIR? OR BREATH? OR VENTILAT? OR BREATH? OR CPAP OR PEEP OR IPAP
S4	103710	IC=(A62B? OR A61M? OR F16K? OR A61B?)
S5	54	S1:S2 AND S3:S4
S6	39	S5 AND S3
S7	39	IDPAT (sorted in duplicate/non-duplicate order)

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S2	1	(TOM OR THOMAS) (2N) KRUGER OR HARTMUT (2N) SCHMIDT OR (HANS OR GEORG?) (2N) WAHLE
S3	2475144	RESPIR? OR BREATH? OR VENTILAT? OR BREATH? OR CPAP OR PEEP OR IPAP
S4	456	S1:S2 AND S3
S5	17	S4 AND (CLEAR? OR CANCEL? OR ERAS? OR DELET? OR OVERWRT? - OR OVERRID? OR REPROGRAM?)
S6	11	S5 AND PY<2002
S7	2	RD (unique items)
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Set	Items	Description
S1	211	AU=(KRUGER T? OR KRUGER, T? OR SCHMIDT H? OR SCHMIDT, H? OR WAHLE H? OR WAHLE, H? OR WAHLE G? OR WAHLE, G?)
S2	74	(TOM OR THOMAS) (2N) KRUGER OR HARTMUT (2N) SCHMIDT OR (HANS OR GEORG?) (2N) WAHLE
S3	530372	RESPIR? OR BREATH? OR VENTILAT? OR BREATH? OR CPAP OR PEEP OR IPAP
S4	7	S1:S2 AND S3
S5	2	S4 AND (CLEAR? OR CANCEL? OR ERAS? OR DELET? OR OVERWRT? - OR OVERRID? OR REPROGRAM?)
S6	7	S4:S5
S7	7	S6 AND PY<2002
S8	6	RD (unique items)

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